Object Orientated Programming VIVA

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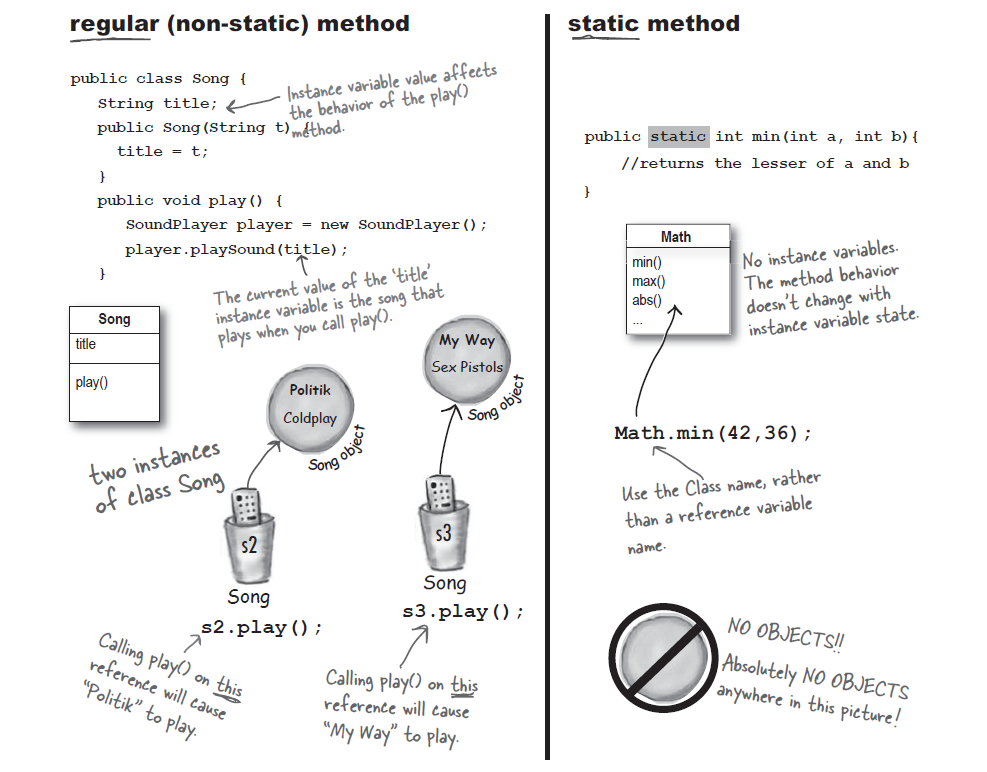
Q1. What is keyword static in JAVA?

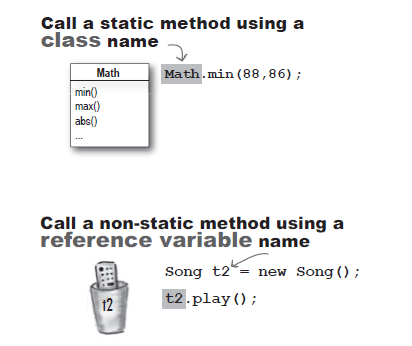
Answer I have given :-

The **static keyword** in Java is used for memory management mainly. We can apply static keyword with variables, methods, blocks and nested classes. The static keyword belongs to the class than an instance(object) of the class.

ANSWER WHICH I HAVE COME ACROSS:-

The keyword static lets a method run without any instance of the class. A static method means “behaviour not dependent on an instance variable, so no instance/object is required. Just the class.”





From above picture it can be seen that an object is being created and then called in non-static method .

In case of static method no objects or instance are being created and we use the name of class for calling function.

Advantages of static variable

It makes your program memory efficient (i.e., it saves memory).

EXAMPLE

Suppose there are 500 students in my college, now all instance data members will get memory each time when the object is created. All students have its unique roll no. and name, so instance data member is good in such case. Here, "college" refers to the common property of all objects. If we make it static, this field will get the memory only once.

Common Doubt

